I st and final Bill

Work Code No:- 006-19-000051

Est Cost :- 20.00 lakhs.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. Construction of culverts and Improvements of Drain 497423
ame of Work at Hegdenagara, Thanisandra and Jarakabande Kaval surrounding area in
ame of Contractor of nature of Agency Ward No. 06 Byatarayana pura Sub Division.
ate of commencement of work D.O Recording :- 18-11-2019

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Work order No:-	BBMP/EE/BTP/WO/81/2019-20.					
	Name of Contractor	Sri. N. Manjunath No:1, Thirumenahalli Jakkur Post Yelahanka Hobli Bangalore. 560064.					
	Earthwork excavation by Manuals Means in Ordinary soil Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated Surface leveled and sides neatly dressed. the disposed earth						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be leveled neatly after breaking of clods Complete as per Specifications.						
	As per Pre Measurement Recorded vide Page No 497479 To 497482 in this MB.						
	Rate: 118.85						
2	Providing and laying in position plain cement Concrete of Mix M 1:4:8 with opc cement at 180 Kgs. With 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.57 cum machine mixed. Concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth. Including cost of all materials. labour. HOM of					296.86 M3	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497424

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Machinery. Curing Complete as per specification. As per Measurement Recorded vide page No. 497482 TO 497484 in this MB. Rate. 4664.50						
3	Providing and Constructing granite/trap/basalt size stone Masonry in Foundation with cement mortar 1:6. Stone hammerd dressed in Courses not less than 20 cms high. bond stones at two M. apart in each Course Including cost of meterials. labour. Curing Complete as Per specifications.						
	1) Sarai Palya Road Near HKGN Chicken Shop	2	5.30	0.50	0.50	2.65	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) HMS Islamic School Road	2	5.95	0.50	0.50	2.98	
	3) —— " ——	2	6.20	0.50	0.50	3.10	
	4) R/S 4th cross	2	5.60	0.50	0.50	2.80	
	5) 3rd cross	2	5.80	0.50	0.50	2.90	
	6) L/S 4th cross	2	5.80	0.50	0.50	2.90	
	7) R/S 5th cross	2	5.20	0.50	0.50	2.60	
	8) L/S 5th cross	2	5.40	0.50	0.50	2.70	
	9) 6th cross	2	5.40	0.50	0.50	2.70	
	10) Baloon factory 2nd cross R/S	2	6.30	0.50	0.50	3.15	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497425

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) L/S 2nd Cross	2	5.50	0.50	0.50	2.75	
	12) R/S 3rd Cross	2	4.80	0.50	0.50	2.40	
	13) L/S 3rd Cross	2	5.30	0.50	0.50	2.65	
	14) 4th Cross	2	5.30	0.50	0.50	2.65	
	15) 5th Cross	2	6.15	0.50	0.50	2.77	
	16) 6th Cross	2	4.80	0.50	0.45	2.16	
	17) 7th Cross	2	5.90	0.50	0.45	2.66	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	18) Inspir Public School Near	2	7.55	0.50	0.50	3.78	
	19) Fathima layout Main Road	2	10.00	0.50	0.50	5.00	
	20) Thuba lay out 3rd Cross Near Shabers House	2	11.45	0.50	0.50	5.73	
	21) — .. —	2	4.00	0.50	0.50	2.00	
	22) Thani Sandra near Kateramma Temple Road	2	9.30	0.50	0.50	4.65	
	23) — .. — 2nd cross	2	6.40	0.50	0.50	3.20	
						70.86 M3	
	limited To Tender Qty					70.68	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497426

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rate : 4201.89					70.68 M3	296990.00
41	Providing and constructing granite/trap/basalt size stone Masonry in basement with cement Mortar 1:6 edges of Stones Chistle dressed in Courses not less then 15 cms high bond Stones at two m apart in each course including cost of meterials. labour. Curing Complete as per Specifications.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Sarai Palya HKGN Chikan Shop near.	2	5.30	0.45	0.45	2.15	
	2) HMS Islamic School near	2	5.95	0.45	0.45	2.41	
	3) HMS Islamic School Road	2	6.20	0.45	0.45	2.51	
	4) R/S 4th Cross	2	5.60	0.45	0.45	2.27	
	5) 3rd Cross	2	5.80	0.45	0.45	2.35	
	6) L/S 4th Cross	2	5.80	0.45	0.45	2.35	
	7) R/S 5th Cross	2	5.20	0.45	0.45	2.11	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497427

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) L/s 5th cross	2	5.40	0.45	0.45	2.19	
	9) 6th cross	2	5.40	0.45	0.45	2.19	
	10) Baloon factory Road. L/s 2nd cross	2	6.30	0.45	0.45	2.55	
	11) R/s 2nd cross	2	5.50	0.45	0.45	2.23	
	12) L/s 3rd cross	2	4.80	0.45	0.45	1.94	
	13) R/s 3rd cross	2	5.30	0.45	0.45	2.15	
	14) 4th cross	2	5.30	0.45	0.45	2.15	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15) 5th Cross	2	6.15	0.45	0.45	2.49	
	16) 6th Cross	2	4.80	0.45	0.45	1.94	
	17) 7th Cross	2	5.90	0.45	0.45	2.39	
	18) Inspir Public School Near	2	7.55	0.45	0.45	3.06	
	19) Fathima layout Main Road	2	10.00	0.45	0.45	4.05	
	20) Tuba layout 3rd cross Near Shabers House	2	11.45	0.45	0.45	4.64	
	21) — " —	2	4.00	0.45	0.45	1.62	
	22) Thanisandra near Kateramma temple Road	2	9.30	0.45	0.45	3.77	
	23) — " — 2nd Cross	2	6.40	0.45	0.45	2.59	
						58.08	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497428

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	limited to Tender qty					53.01	265730.00
	Rate: 5012-83						
5	Providing and Removing centering. shuttering. Strutting. Propping etc.. and removal af from work for sides and soffits of beams. beam haunchings. Cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials.						
	As per measurement Recorded vide page on 497484 to 497488						
	limited To Tender Qty					139.29 M2	
	Rate = 266.96						37185.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Referen to last Measuren
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	[6] Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @ 220 kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.84 Cum and fine aggregates @ 0.56 cum machine mixed. Concrete laid in layers not exceeding 15 cms. thick well Compacted. In foundation. Plinth. and cills. Including Cost of all Materials. labour. HOM of Machinery. Curing complete as per Specification						
	1) Sarai Palya Road H.K.G N Chikan Shop Near.						
	Vent Portion	2	5.00	0.45	0.15	0.68	
		1	5.20	0.60	0.10	0.31	
	2) HMS Islamic School near	2	5.65	0.45	0.15	076	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497429

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vent Portion	1	5.85	0.60	0.10	0.35	
	3) HMS Islamic School Road	2	5.90	0.45	0.15	0.80	
	Vent Portion	1	6.10	0.60	0.10	0.36	
	4) —"— 4th Cross	2	5.30	0.45	0.15	0.72	
	Vent Portion	1	5.50	0.60	0.10	0.33	
	5) —"— 3rd Cross	2	5.50	0.45	0.15	0.74	
	Vent portion	1	5.70	0.60	0.10	0.34	
	6) —"— 4th Cross	2	5.50	0.45	0.15	0.74	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vent Portion	1	5.70	0.60	0.10	0.34	
	7) —"— 5th cross	2	4.90	0.45	0.15	0.66	
	Vent Portion	1	5.10	0.60	0.10	0.30	
	8) —"— 5th cross	2	5.10	0.45	0.15	0.69	
	Vent Portion	1	5.30	0.60	0.10	0.31	
	9) —"— 6th cross	2	4.70	0.45	0.15	0.63	
	Vent Portion	1	4.90	0.60	0.10	0.29	
	10) Baloon factory Road 2nd cross	2	6.00	0.45	0.15	0.81	
	Vent portion	1	6.20	0.60	0.10	0.37	
	11) L/S 2nd Cross	2	5.20	0.45	0.15	0.70	
	Vent Portion	1	5.40	0.60	0.10	0.32	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497430

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12) —"— 3rd Cross R/S	2	4.50	0.45	0.15	0.61	
	Vent Portion	1	4.70	0.60	0.10	0.28	
	13) —"— 3rd Cross L/S	2	5.00	0.45	0.15	0.68	
	Vent Portion	1	5.20	0.60	0.10	0.31	
	14) —"— 4th Cross	2	5.00	0.45	0.15	0.68	
	Ventportion	1	5.20	0.60	0.10	0.31	
	15) —"— 5th Cross	2	5.82	0.45	0.15	0.79	
	Vent Portion	1	6.20	0.60	0.10	0.37	
	16) —"— 6th Cross	2	4.50	0.45	0.15	0.76	
	Vent Portion	1	4.70	0.60	0.10	0.28	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	17) —"— 7th Cross	2	5.60	0.45	0.15	0.76	
	Vent portion	1	5.86	0.60	0.10	0.35	
	18) Inspir Public School Near	2	7.25	0.45	0.15	0.98	
	Vent Portion	1	9.50	0.60	0.10	0.57	
	19) Fathima layout Main Road	2	9.70	0.45	0.15	1.31	
	Vent Portion	1	10.00	0.60	0.10	0.60	
	20) Tuba layout 3rd Cross	2	11.45	0.45	0.15	1.55	
	Vent Portion	1	15.00	0.60	0.10	0.90	
	21) —"— 3rd Cross Near Shabers House	2	3.70	0.45	0.15	0.50	
	Vent Portion	1	5.00	0.60	0.10	0.30	
	22) Thanisandra Kateyamma Temple	2	9.00	0.45	0.15	1.22	
	Vent portion	1	10.00	0.60	0.10	0.60	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

497431

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	23) Thanisandra Kateramma Temple: 2nd Cross						
	Vent Portion	2	6.40	0.45	0.15	0.86	
		1	7.00	0.60	0.10	0.42	
						28.53	M3
			limited to Tender Qty			28.27	
	Rate: 4853.75						137215.51
F	Providing Flush Pointing to Coursed stone Masonry with cement Mortar 1:3. 20mm deep after raking joints to dapth of 20mm nicely lining. Including cost of meterials. labour. Curing complete as per Specifications.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Sarai Palya Road HKGN	Chikan Shop		Near.			
		2	5.00	0.45	—	4.50	
	2) HMS Islamic School Near	2	5.65	0.45	—	5.08	
	3) —"— Road	2	5.90	0.45	—	5.31	
	4) —"— 4th Cross R/S	2	5.30	0.45	—	4.77	
	5) —"— 3rd Cross	2	5.50	0.45	—	4.95	
	6) —"— 4th Cross L/S	2	5.50	0.45	—	4.95	
	7) —"— 5th Cross R/S	2	4.90	0.45	—	4.41	
	8) —"— 5th Cross L/S	2	5.10	0.45	—	4.59	
	9) —"— 6th Cross	2	4.70	0.45	—	4.23	
	10) Baloon factory 2nd Cross	2	6.00	0.45	—	5.40	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497432

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) —"— 2nd Cross	2	5.20	0.45	—	4.68	
	12) —"— 3rd Cross	2	4.50	0.45	—	4.05	
	13) —"— 3r Cross	2	5.00	0.45	—	4.50	
	14) —"— 4th Cross	2	5.00	0.45	—	4.50	
	15) —"— 5th Cross	2	5.85	0.45	—	5.26	
	16) —"— 6th Cross	2	4.50	0.45	—	4.05	
	17) —"— 7th Cross	2	5.60	0.45	—	5.04	
	18) Inspir Public school Near	2	7.25	0.45	—	6.52	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	19) Fathima lay out Main Road	2	9.70	0.45	—	8.73	
	20) Tuba lay out 3rd Cross	2	11.45	0.45	—	10.30	
	21) —"— Near Shabers House	2	3.70	0.45	—	3.33	
	22) Thanisandra Kateramma Temple Road	2	9.00	045	—	8.10	
	23) —"— 2nd Cross	2	6.40	0.45	—	5.76	
						123.01	M2
	limited To Tender Qty					117.80 M2	
	Rate: 192.91						22724.:

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

497433

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	B Providing and laying in position reinforced cement Concrete of Design mix M20 with OPC Cement @ 320kgs. with 20mm and down size graded granite metal Coarse aggregates @ 0.69 Cum and fine aggregates @ 0.460 Cum. With super plasticisers @ 3 liters Conforming to is 9103 - 1999 reafirmed - 2008 Machine mixed Concrete laid in layers not exceeding 15 Cms thick, Vibrated for all works in foundation for footings. Pedastals, reting walls. return walls. walls (any thickness) Including attached Pilasters. Columns Pillars.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Posts. Struts. buttresses. bed blocks. anchor blocks & Plinths etc.. including cost of all meterials. labour, Hire of Machinery. curing. Complete but excluding cost of Reinforcement as per Specification,						
	1) Sarai Palya . .	1	5.00	1.20	0.23	1.38	
	2) HMS Islamic School Near	1	5.65	1.20	0.23	1.56	
	3) —— " ——	1	5.90	1.20	0.23	1.63	
	4) —" — 4th Cross	1	5.30	1.20	0.23	1.46	
	5) —" — 3rd Cross	1	5.50	1.20	0.23	1.52	
	6) —" — 4th Cross	1	5.50	1.20	0.23	1.52	
	7) —" — 5th Cross	1	4.90	1.20	0.23	1.35	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497131

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
8) —"— 5th Cross	1	5.10	1.20	0.23	1.41	
9) —"— 6th Cross	1	4.70	1.20	0.23	1.30	
10) Baloon factory 2nd Cross Road	1	6.00	1.50	0.23	2.07	
Ramp	2	6.00	1.00	Av 0.15	1.80	
11) —"— 2nd Cross	1	5.20	1.50	0.23	1.79	
12) —"— 3rd Cross	1	4.50	1.20	0.23	1.24	
13) —"—	1	5.00	1.50	0.23	1.73	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	14) —"— 4th cross	1	5.00	1.50	0.23	1.73	
	15) 5th Cross	1	5.85	1.20	0.23	1.61	
	16) 6th Cross	1	4.50	1.20	0.23	1.24	
	17) 7th Cross	1	5.60	1.20	0.23	1.55	
	18) Inspir Public School	1	7.25	1.20	0.23	2.00	
	19) Fathima layout Main Road	1	9.70	1.50	0.23	3.35	
	—"— Ramp	2	9.70	1.00	Av 0.20	3.88	
	20) Tuba layout 3rd Cross	1	11.45	1.50	0.15	2.58	
	Ramp	2	11.45	0.50	Av 020	2.29	
	21) —"—	1	3.70	1.20	0.23	1.02	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497435

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	22) Thais Sand for Kateramu.	1	9.00	1.80	0.23	3.73	
	23) —"— 2nd Temple Road Cross	1	6.40	1.80	0.23	2.65	
						49.39 M3	
	limited To Tender Qty					48.77	
	Rate: 5173.74						2.52323.29
9	Providing T.M.T steel reinforcement for R.C.C Work Including Straightening. Cutting. bending. hooking. placing in Position. lapping and/or Welding Wherever required tying with binding						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	wire and anchoring to the adjoining members wherever necessary complete as per design (laps. hooks and wastage shall not be measured and paid) Cost of Meterials, labour, Hom of machinery Complete as per Specifications, As per pre measurement Recorded vide Page No. 49741 TO 497490 Rate: 64880.67					3.976 MT	
						2.57.965	
10	Loading and unloding of Stone boulders by Manual Means Complete as per Specification. Qty vide ITEM NO 1 Rate: 52.11					296.86 M3	15469.[illegible]

c/f c

22/5/19

18/11/2019

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

497436

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE :- Certifide that the above work done satisfactory. 18.11.2019 ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ 18/11/2019 ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26						

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